

Upgrading Your Skills to Windows Server 2016 (M10983)

Objective

After completing this training course, students will be able to:

- Install and configure Windows Server 2016.
- Implement Hyper-V.
- Implement directory services.
- Implement AD FS.
- Manage and optimise storage in Windows Server 2016.
- Implement secure data access for users and devices.
- Implement network services.
- Implement remote access.
- Implement failover clustering.
- Implement failover clustering with Windows Server 2016 Hyper-V.
- Recover data in Windows Servers 2016.

Details

Duration: 5 Days

Who is this course for

- Two or more years of experience deploying and managing Windows Server 2012 or Windows 2008 environments; experience with day-to-day Windows Server 2012 or Windows Server 2008 system administration management and maintenance tasks.
- Experience with Windows networking technologies and implementation.
- Experience with Active Directory® technologies and implementation.
- Experience with Windows Server virtualization technologies and implementation.
- Knowledge equivalent to the MCSA credentials of Windows Server 2008 or Windows Server 2012, or have equivalent knowledge.

Course Content

Module 1: Installing and Configuring Windows Server 2016 This module explains how to install and perform post-installation configuration of Windows Server 2016 servers. Lessons

- Introducing Windows Server 2016
- Installing Windows Server 2016
- Configuring Windows Server 2016
- Implementing containers in Windows Server 2016

Lab: Installing and configuring Nano Server

- Installing Nano Server
- Completing post-Installation tasks on Nano Server

After completing this module, students will be able to:

- Describe the new and improved features in Windows Server 2016.
- Install Windows Server 2016.
- Configure and manage Windows Server 2016.
- Enable and configure Windows Server containers.

Module 2: Implementing Hyper-V This module explains how to install and configure Hyper-V virtual machines. Lessons

- Configuring the Hyper-V role in Windows Server 2016
- Configuring Hyper-V storage
- Configuring Hyper-V networking
- Configuring Hyper-V virtual machines

Lab: Implementing server virtualization with Hyper-V

- Installing the Hyper-V server role
- Configuring virtual networking
- Creating and configuring a virtual machine

After completing this module, students will be able to:

- Configure the Hyper-V role in Windows Server 2016.
- Configure Hyper-V storage.
- Configure Hyper-V networking.
- Configure Hyper-V virtual machines.

Module 3: Implementing directory services This module explains how to implement Active Directory Domain Services (AD DS) in Windows Server 2016. Lessons

- Deploying AD DS domain controllers
- Implementing service accounts
- Microsoft Azure Active Directory (Azure AD)
- Integrating AD DS with Azure AD

Lab: Implementing service accounts

- Implementing service accounts

Lab: Integrating with Azure AD

- Installing Azure AD Connect

